

<b>Exhibit Name:</b> Premium Calculation <b>Exhibit Number:</b> P11-3, Plan 40 <b>Record Name:</b> Acreage <b>Record Code:</b> P11							<b>Reinsurance Year:</b> 2012 <b>Version:</b> Draft <b>Release Date:</b> 9/1/2011										
<b>Insurance Plan Code</b> 40 Tree Based Dollar Amount of Insurance																	
<b>Commodity Code</b>		0193 Tangerine Trees 0207 Orange Trees 0208 Grapefruit Trees				0209 Lemon Trees 0210 Lime Trees 0211 All other Citrus Trees				0212 Avocado Trees 0213 Carambola Trees 0214 Mango Trees				0265 Banana Trees 0266 Coffee Trees 0267 Papaya Trees			
<u>Calculations</u>						<u>Field Name</u>		<u>Record Number</u>		<u>Field Number</u>		<u>Field Format</u>		<u>Field Rounding</u>		<u>Rules</u>	
<b>Section 1: Liability Calculation</b>																	
Total Guarantee Amount = Price Election Amount * Coverage Level Percent * Reported Tree Count * Yield Conversion Factor						Total Guarantee Amount		P11		97		99999999.99		Round to whole number.			
						Price Election Amount		P11		49		9999.9999		None		Edit with ADM Price, "A00810".	
						Coverage Level Percent		P14		34		9.9999		None			
						Reported Tree Count		P11		35		9999999999		None			
						Yield Conversion Factor		P11		63		9.999		None		Yield Conversion Factor must be valid; edit with the Yield Conversion ICE, "D00064".	
Liability Amount = Total Guarantee Amount * Insured Share Percent						Liability Amount		P11		88		9999999999		Round to whole number.			
						Insured Share Percent		P11		47		9.999		None			
<b>When Commodity Code is "0193", "0207" or "0208" and CEO Coverage Level is greater than zero:</b>																	
CEO Coverage Factor = $\frac{\text{CEO Coverage Level Percent}}{\text{Coverage Level Percent} - 1}$						CEO Coverage Factor		Internal				9.99999		Round to 5 decimals.			
						CEO Coverage Level Percent		P11		99		9.9999		None			
						Coverage Level Percent		P14		34		9.9999		None			
CEO Liability Amount = Liability Amount * CEO Coverage Factor						CEO Liability Amount		Internal				9999999999		Round to whole number.			
Liability Amount = Liability Amount + CEO Liability Amount						Liability Amount		P11		88		9999999999		Round to whole number.			
<b>Section 2: Base Premium Rate Calculation</b>																	
<b>IF Base Policy Coverage, NO Sub County and NO Option:</b>  Base Rate * Rate Differential Factor		Base Premium Rate		Internal				999999.99999999		None							
<b>IF Base Policy Coverage and Sub County, NO Option:</b>  Sub County Rate * Sub County Rate Differential Factor		Base Rate		ADM				9.9999		None		Edit with ADM Base Rate, "A01010".					
<b>IF CTV Endorsement and NO Sub County, Option "CV":</b>  Option Rate * Option Rate Differential Factor		Rate Differential Factor		ADM				9.99999999		None		Edit with ADM Coverage Level Differential, "A01040".					

Base Premim Rate =	IF CTV Endorsement and Sub County, Option "CV":  Option Rate * Option Rate Differential Factor	Sub County Rate	ADM		9.9999	None	Edit with ADM Sub County Rate, "A01050" for Sub County.
	IF Base Policy Coverage, No Sub County, Option "OW" (applicable for all coverage levels):  Option Rate	Sub County Rate Differential Factor	ADM		9.99999999	None	This option cannot be elected in conjunction with CE Option  Edit with ADM Coverage Level Differential, "A01040" for Sub County.
	IF Base Policy Coverage and Sub County, Option "OW" (applicable for all coverage levels):  Option Rate	Option Rate	ADM		9.9999	None	This option cannot be elected in conjunction with CE Option  Edit with ADM Option Rate, "A01060" for Option.
	IF CTV Endorsement and NO Sub County, Option "OX" (applicable for all coverage levels):  Option Rate	Option Rate Differential Factor	ADM		9.99999999	None	This option cannot be elected in conjunction with CE Option  Edit with ADM Coverage Level Differential, "A01040" for Option.
	IF CTV Endorsement and Sub County, Option "OX" (applicable for all coverage levels):  Option Rate						This option cannot be elected in conjunction with CE Option
Section 3: Optional Coverage Calculation							
Additive Optional Rate Adjustment Factor =  When Rate Method Code = A  SUM (Option Rate(s)) * Rate Differential Factor	Additive Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.		
	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".	
	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040".	
Multiplicative Optional Rate Adjustment Factor =  When Rate Method Code equals Multiplicative, "M":  Product (Option Rate(s))	Multiplicative Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.		
	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".	
Section 4: Premium Rate Calculation							
	Premium Rate	Internal		9999999999.99999999	Round to 8 decimals.		

Premium Rate	Base Premium Rate * Unit Structure Discount Factor * = Multiplicative Optional Rate Adjustment Factor + Additive Optional Rate Adjustment Factor	Unit Structure Discount Factor	ADM	9.999	None	Edit with ADM Unit Discount, "A01090". When Unit Structure Code equals "OU", then Unit Structure Discount Factor equals Optional Unit Discount Factor.  When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Unit Discount Factor.
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Section 5: Total Premium, Subsidy, and Producer Premium Calculation						
Preliminary Total Premium Amount = Liability Amount * Premium Rate * Proration Percent	Preliminary Total Premium Amount	Internal		9999999999	Round to whole number.	
	Proration Percent	ADM		9.99	None	Edit with ADM Proration, "A01070". When Commodity Code equals Banana Trees, "0265", Coffee Trees, "0266", Papaya Trees "0267", then Proration Percent must equal zeros.
Total Premium Amount = Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor	Total Premium Amount	P11	89	9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Subsidy Amount = Total Premium Amount * Subsidy Percent	Subsidy Amount	P11	87	9999999999	Round to whole number.	
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".  When the CE Option is elected, the subsidy percent is at the CEO coverage level
Producer Premium Amount = Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	90	9999999999	Round to whole number.	

**Section 6: Additional information for Base Policy Coverage and CTV Endorsement.**

	Scenario			
Decide if Base Policy Coverage or CTV Endorsement. If CTV chosen then provide both Base Policy and CTV inputs, 2 records.	Case 1a: Base Policy use BaseRate from BaseRate table and differentials where subcounty code is null and option code is null.	OR	Case 1b: Occurrence loss Option = "OW" use this OptionRate for ALL coverage levels.	
	Case 2a: Base Policy in High Risk Area use SubCounty Rate from SubCountyRate table and differentials where subcounty code matches High Risk Area and <del>and</del> option code is null.	OR	Case 2b: Occurrence loss Option = " <del>OW</del> OW" use this OptionRate for ALL coverage levels.	
	Case 3a: CTV Endorsement use Option Rate from OptionRate table where OptionCode = CV and differentials where subcounty code is null and option code = CV.	OR	Case 3b: Occurrence loss Option = "OX" use this OptionRate for ALL coverage levels.	
	Case 4a: CTV Endorsement in High Risk Area use Option Rate from OptionRate table where subcounty code matches the High Risk Area and <del>and</del> option code = CV.	OR	Case 4b: Occurrence loss Option = " <del>OX</del> OX" use this OptionRate for ALL coverage levels.	